## 'Enhancing Obesity Prevention in Adults and Children'

Healthy North Coast: Back to Health Conference

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Acknowledgement

• I would like to acknowledge the Traditional Owners of the land in which we are meeting on today and acknowledge Elders past, present and emerging.

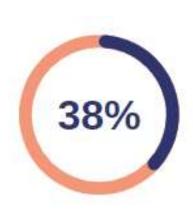




# Why it's so important?

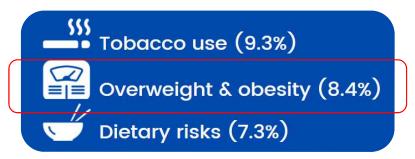


Adults suffer from chronic disease (47%)



of disease burden is preventable

3 top risk factors for chronic disease



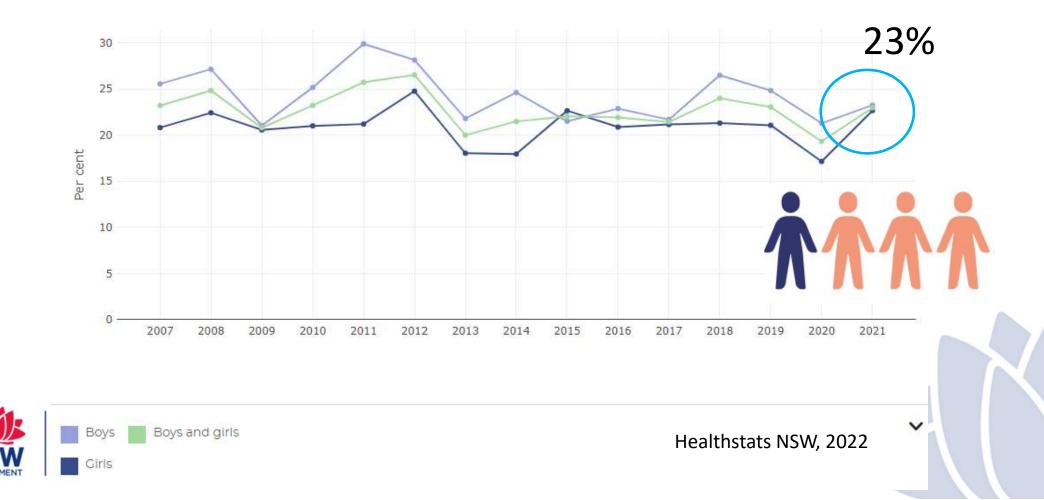


NSW Health Stats, 2022 AIHW, 2022

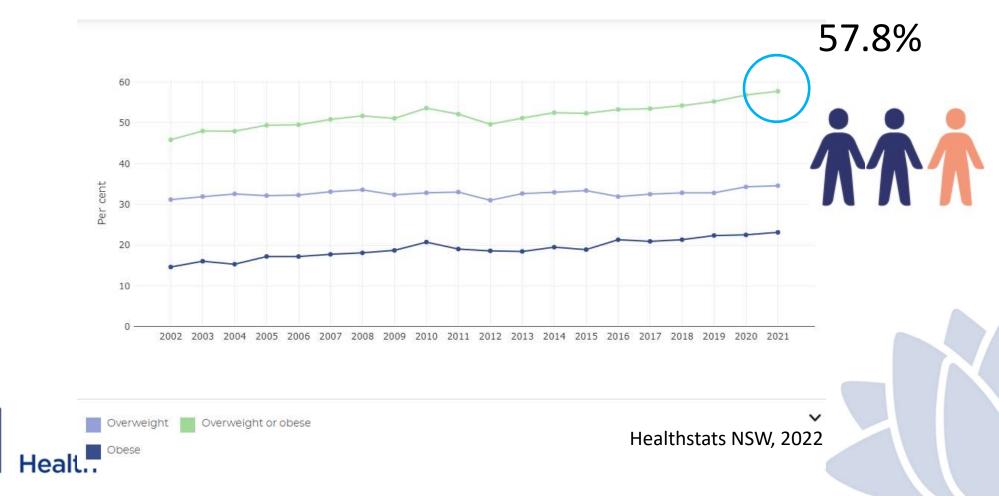




## Childhood overweight and obesity in NSW 2021



# Overweight and obesity in adults 2021



#### Risk factors contributing to overweight and obesity

#### Many school aged children in NSW have poor lifestyle habits



71% of children are <u>not</u> adequately active

44% spend over 2hrs/day on sedentary leisure



92% of children do not eat enough vegetables

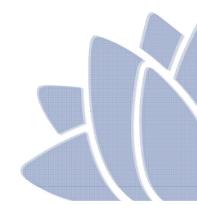


**25%** drink sugary drinks over 5 times a week

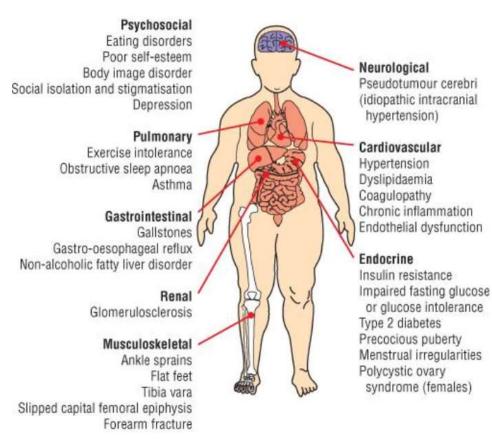


**15.7%** of NSW school children used active travel to get to school in 2015

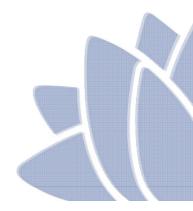




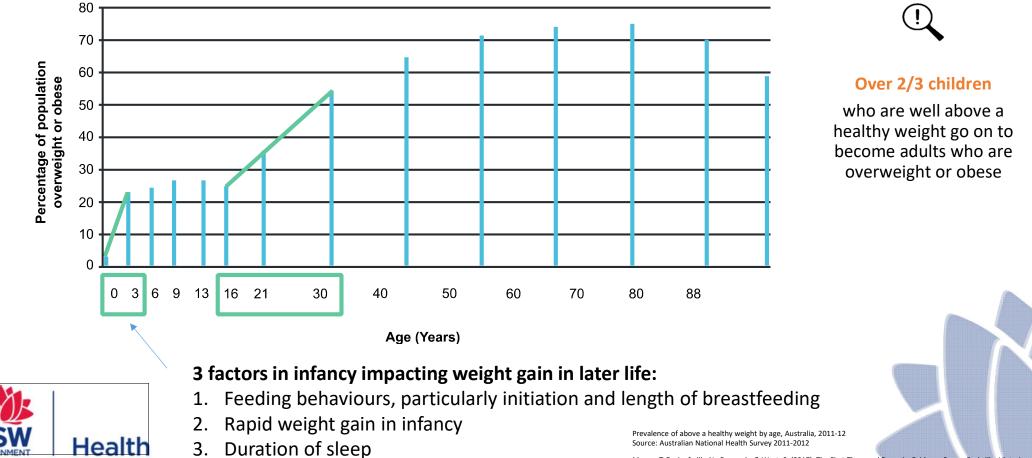
## Physical and psychosocial impacts of Obesity







# Addressing Vulnerable Periods



Moore, T.G., Arefadib, N., Deery, A., & West, S. (2017). The First Thousand Days: An Evidence Paper. Parkville, Victoria; Centre for Community Child Health, Murdoch Children's Research Institute.

# Education & Information

- 73% of parents of primary school children who were above a healthy weight perceived their children to be "about the right weight"
- Less than 1 in 2 parents were aware of recommended screen time limits
- **1 in 4 were aware of physical activity** recommendations





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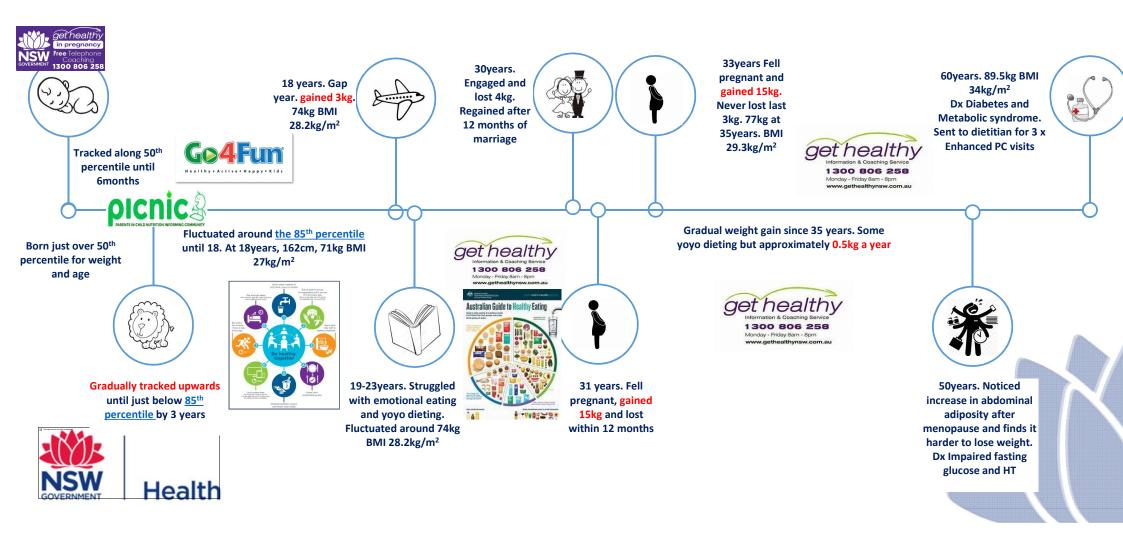
Youtube: The First Lady Takes On Childhood Obesity – watch 36:40 to 40:28

# Prevention is everyone's business





## When should we intervene?



### **Routine Growth Assessments**



## MNCLHD rates: 70%

#### Why?

- To understand a child growth trajectory.
- To identify at risk children early.
- Provide brief intervention.
- Referral on to support services.
- Normalise growth assessments.



# Routine Advice & Clinical Service Delivery

**4** As - a guide to support health professionals to initiate important conversations about <u>healthy growth</u>

Assess	Advise	Assist	Arrange
Routinely assess height and weight and plot into appropriate height and weight chart	Inform the family of the child's growth status	Start a conversation about healthy behaviours for the whole family.	Make appropriate recommendation to a preventive health program.
Height Measured 162.5 cm Weight Measured 55.7 kg	Body mass index (BMI)-for-age percentile chart		Goaffun Healthy-Active-Happy-Kids
GOVERNMENT Health	1 <td></td> <td></td>		

# Conversation Starts for Health Professionals



'I routinely measure height and weight and plot BMI on a growth chart for all children. It helps me to identify any health concerns early and determines the type of support I can provide my patients and their families."

*"Ideally, when we look at children at a similar age to [child's name] we expect them to be growing within the green zone."* 





"There are simple things that you and your family can do to support the whole family to be healthy." "Which of these habits do you do well?"

"Have you heard of the Go4Fun program?"

"It's a free, 10 week healthy lifestyle program for kids aged 7-13 and their formines. The weekly 2 hour sessions are run after school (during school terms) by trained health and community professionals." Health



## Assist: Healthy Conversations

- Sensitive and non-stigmatizing  $\bullet$
- Use good clinical judgement  $\bullet$
- Use above a healthy weight •
- Consider health literacy •

"There are some simple things that you and your family can do to support the whole family to be healthy."



2-17 years

Identify recent changes, recognise their ideas and encourage these!

#### **Resources to support your practice:**

Choose healthier snacks and fewer unhealthy treat foods

together

healthykids for professionals

Limit recreational scre

No more than 1 hour a day for 2-5 year olds, and no more than 2 he a day for children 6 years and old

Be active

**Conversation Starters** 

and when you feel full



"Are there any changes that you think would be realistic for you to make as a family?"

## Arrange: a referral to a community program











**Pre-conception** 

#### 0-6

#### **Get Healthy in Pregnancy**

FREE **6 month** telephone coaching service delivered by **university-qualified** health coaches to achieve **healthy gestational weight gain** and nutrition and exercise recommendations

> Over **7,280** participants

#### PICNIC https://www.picnicproject.com.au/

FREE early feeding practice resources and peer education program for parents of **children 0-6 years.** 

MNCLHD program.

Over 2,000 families

#### 7-13

#### Go4Fun

FREE **10 week** nutrition & physical activity program for 7-13 year olds above a healthy weight

New online and Aboriginal programs launched

Over 11,000 families

#### TautDi

13 - 18

#### TextBites

A research study. aiming to find out if a fun and supportive text message program can help young people lead a healthier and happier lifestyle.

#### Get Healthy Information and Coaching Service

16+

FREE 6 month telephone coaching service delivered by dieticians and exercise physiologists.

Over 78,000 participants



# FREE TELEPHONE-BASED HEALTH COACHING

Your **free** NSW Health service can help provide you with the support and motivation you need to reach your own healthy lifestyle goals.

ALCOHOL



EAT HEALTHY



WEIGHT

GET

ACTIVE



PREGNANCY CALC



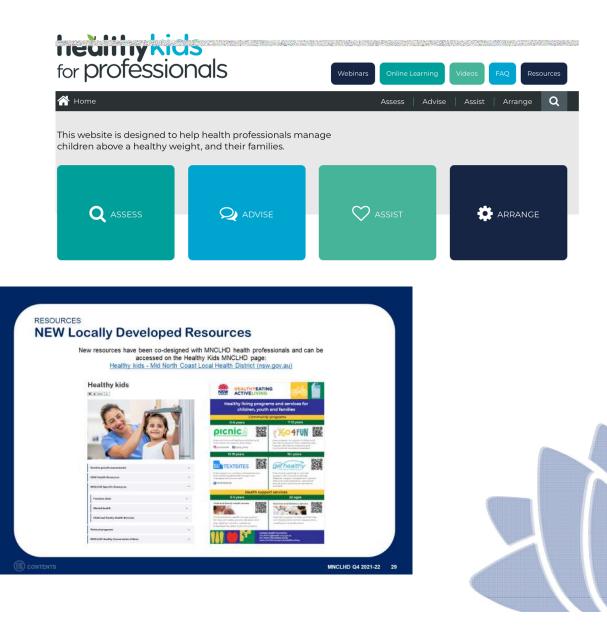


Success Stories » Get Healthy NSW

## Further training

- Healthy Kids for Professional website
- <u>MNCLHD Healthy Kids local resources</u>
- <u>Health Literacy Checklist</u>
- <u>Having the conversation videos</u>
- Get Healthy Service
- Contact <u>mnclhd-hp@health.nsw.gov.au</u>















#### **Parent anxiety**

Natural caution with new food

**Considerate of 'learning to eat'** 

**Evidence based feeding practices** 





**Parent anxiety** Health



**Picky/fussy eating** 

#### Variety



### Amount



## Quality



#### Relationship



#### Increasing Children's Liking and Intake of Vegetables through Experiential Learning

Remco C. Havermans Maastricht University, Faculty of Psychology and Neuroscience, Department of Clinical Psychological Science, Maastricht, The Netherlands

#### **Current Research**

Parental Feeding Practices Predict Authoritative, Authoritarian, and Permissive Parenting Styles

LAURA HUBBS-TAIT, PhD; TAY SEACORD KENNEDY, PhD, RD; MELANIE C. PAGE, PhD; GLADE L. TOPHAM, PhD; AMANDA W. HARRIST, PhD

behaviours and dietary patterns at 2 years of age: the ALSPAC cohort Parenting Styles, Feeding Styles, Kate Northstone and Pauline Emmett Feeding Practices, and Weight Status School of Social and Community Medicine, University of Bristol, Bristol, UK in 4-12 Year-Old Children: A Systematic Review of the Literature Netalie Shloim<sup>1\*</sup>, Lisa R. Edelson<sup>2</sup>, Nathalie Martin<sup>2</sup> and Marion M. Hetherington chology Group: Human Nutrition, School of Psychology, Institute of Psychological Sciences, University of Leeds Leeds, UK, # Behavior and Perception, Nestlé Research Center, Lausanne, Switzenand **ORIGINAL RESEARCH** Child feeding practices and perceptions of childhood overweight and childhood obesity risk among mothers of preschool children DEVELOPMENT OF FOOD PREFERENCES Patrick CROUCH, lennifer A, O'DEA and Robert BATTISTI Faculty of Education and Social Work, University of Sydney, Sydney, New South Wales, Australia Leann L. Birch Department of Human Development and Family Studies, Graduate Program in Nutrition, The Pennsylvania State University, University Park, Pennsylvania 16802; e-mail: 11b15@psu.edu KEY WORDS: children, food intake, overweight, obesity

Learning to overeat: maternal use of restrictive feeding practices promotes girls' eating in the absence of hunger<sup>1–3</sup>

Leann L Birch, Jennifer Orlet Fisher, and Kirsten Krahnstoever Davison



## Controlling Feeding Practices: Cause or Consequence of Early Child Weight?

The associations between feeding difficulties and

#### Claire Victoria Farrow, PhD\*, Jacqueline Bilssett, PhD, CPsychol®

"School of Psychology, Keele University, Keele, Staffordshire, United Kingdom; "School of Psychology, University of Birmingham, Edgbaston, Birmingham, United Kingdom

The authors have indicated they have no financial relationships relevant to this article to disclose.



# **Appetite Regulation**

## **Eating in the Absence of Hunger (EAH)**









## How are we currently feeding?

**90%** Interfere with children's eating

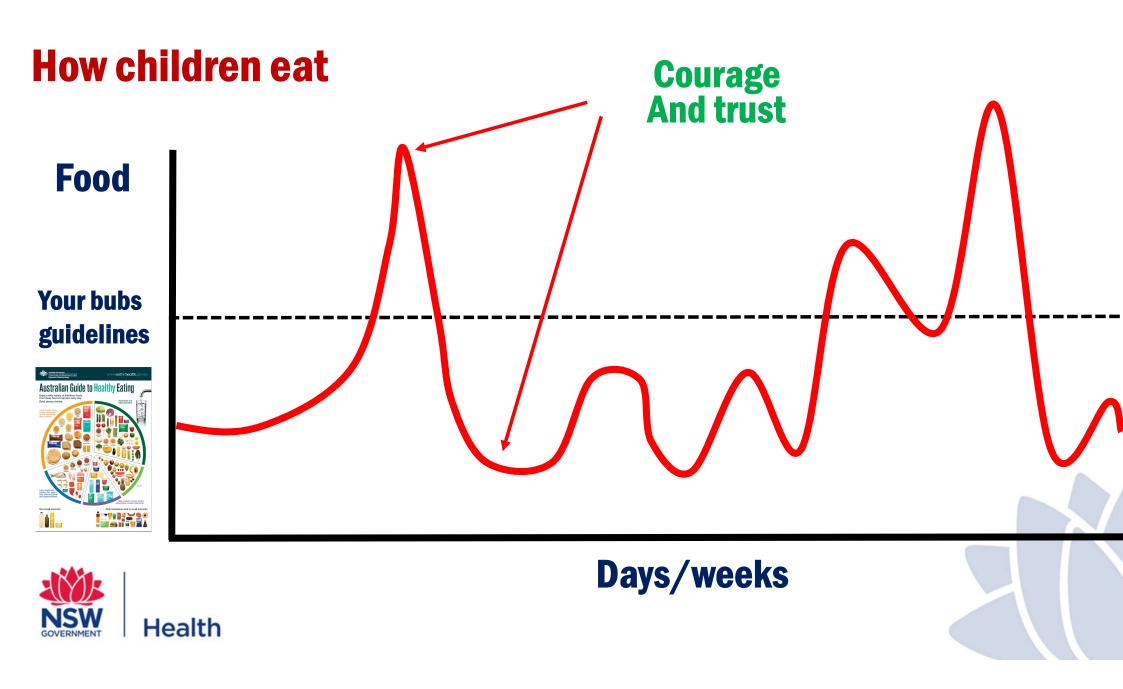
**85%** Pressure kids to eat more with praise/rewards

## **48%** Pressure kids to eat when they aren't hungry





reward the child for eating 1 bite of everything on the plate Health





# **Children choosing the menu**

# **Pressure to eat Outcomes**

The non-compliant child eats less compliant child eats more & overeats

**Battles increase** 

Less willingness to eat the food with pressure applied

Lost ability to regulate appetite (research has shown even before 2 years)

Vegetables are good for you but taste bad

Children ate less vegetables the more they believed that vegetables are good for one's health and the stronger their mothers' concern for disease prevention (Havermans 2010)

# Pressure to eat Guiding them around the plate







They eat because they're told to, or to just to please you



You guide them towards those foods and suggest eating



Short term they eat a bit more of the food but reject it long term as they remember being persuaded to eat it

picnicproject.com.au 🗿



picnicproject.com.au

"Eating all my meal is not the goal"

"It's to stop eating when i've had enough!"

## **Restricting the AMOUNT of food**

But I'm not satisfied yet!









Learns to overeat when gets the chance, as unsure when will able to be satisfied next.

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## **Food Restriction Outcomes**

Lower child weight at age 2 years but higher weight later in childhood

Disinhibited eating - can cause weight gain later in childhood

**Greater BMI increase age 4 - 13 (independent of weight)** 

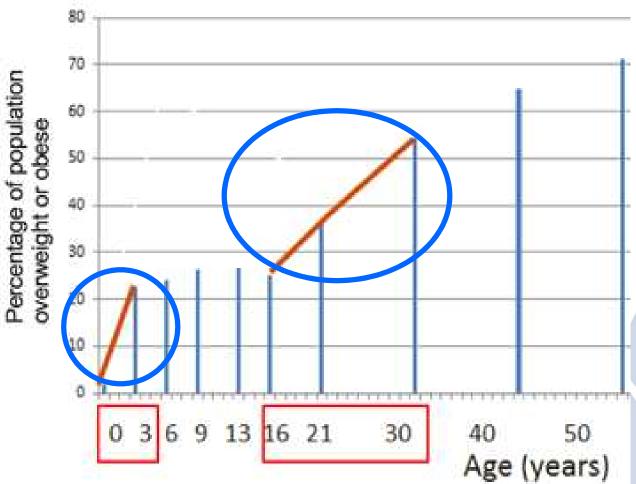
Adolescents more likely to be depressed have suicidal thoughts/attempts

Children more likely to view own bodysize negatively-try and lose weight



# The Long Game.....





## **Strategies for food provision**



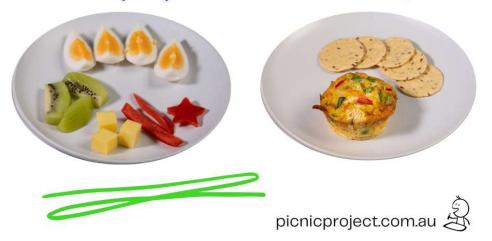
Provide a mixture of safe and still learning foods....



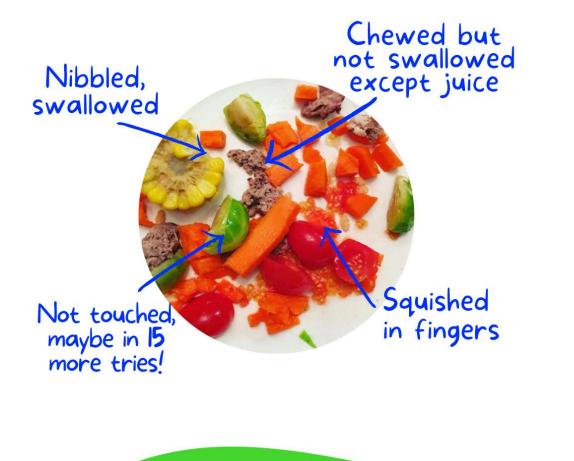




You can't make them eat it or like it ..... but you can change up how it's prepared and served!



## Addressing normal 'learning to eat' and anxiety



# **Dinners** Ready!



Not every meal has to be perfect.... there's another 30 dinners and 120 other meals this month!

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